



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/505,594	02/16/2000	Jay Paul Drummond	D-1120-R1	5969
28995	7590	10/03/2003	EXAMINER	
RALPH E. JOCKE 231 SOUTH BROADWAY MEDINA, OH 44256			SUBRAMANIAN, NARAYANSWAMY	
			ART UNIT	PAPER NUMBER

3624

DATE MAILED: 10/03/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/505,594

Applicant(s)

DRUMMOND ET AL.

Examiner

Narayanswamy Subramanian

Art Unit

3624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 March 2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-43 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☒ Claim(s) 1-43 are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All   b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2, 4, 5.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

*Election/Restrictions*

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-9, drawn to an automated transaction machine comprising: a plurality of transaction function devices, wherein each transaction function device includes an associated device computer processor, wherein at least one device computer processor associated with a first transaction function device is operative responsive to being placed in operative connection with at least one other device computer processor associated with a second transaction function device, to cause the first transaction function device to become automatically inter-operative with the second transaction function device, wherein the first transaction function device interacts with the second transaction function device in carrying out a financial transaction with the automated transaction machine, classified in class 705, subclass 43.

II. Claims 10-11, drawn to an automated financial transaction machine comprising a plurality of transaction function devices, wherein at least one of the transaction function devices includes a sheet dispenser, and wherein each one of the transaction function devices includes an associated device computer, and wherein at least one of the device computers is programmed so that operative connection of a first transaction function device to the machine automatically causes the first transaction function device to coordinate operation with at least one other transaction function device in carrying out a financial transaction which includes the dispense of at least one sheet from the sheet dispenser, classified in class 705, subclass 43.

III. Claims 12-24, drawn to an automated transaction machine comprising a network; a computer processor in operative connection with the network; a user interface software component operative in the computer processor; a lookup service in operative connection with

Art Unit: 3624

the network; and at least one transaction service in operative connection with the network, wherein the transaction service includes a service proxy software component, wherein the transaction service is operative to send a first copy of the service proxy to the lookup service, and wherein the user interface software component is operative to cause the computer processor to acquire a second copy of the service proxy from the lookup service, wherein the second copy of the service proxy is operative responsive to the user interface software component to cause the transaction service to operate to cause the machine to perform a transaction function, classified in class 705, subclass 43.

IV. Claims 25-29, drawn to a method comprising the steps of: (a) connecting a transaction service in an automated transaction machine, wherein the transaction service includes at least one transaction function device, and wherein the automated transaction machine includes a lookup service and an interface service including at least one input device; (b) registering the transaction service with the lookup service, including storing a copy of a service proxy in association with the lookup service; (c) acquiring for use in association with the interface service, a copy of the service proxy from the lookup service; (d) providing at least one input to the input device; (e) invoking a method of the service proxy through operation of the interface service responsive to the at least one input; and (f) operating the transaction function device of the transaction service responsive to the method invoked, classified in class 705, subclass 43.

V. Claims 30-31, drawn to a method comprising the steps of: (a) connecting a first transaction service in an automated transaction machine, wherein the first transaction service includes a first processor and a first transaction function device; (b) responsive to performance of step (a), automatically providing a second transaction service in the machine a capability of

Art Unit: 3624

affecting operation of the first transaction service, wherein the second transaction service includes a second processor and a second transaction function device, and wherein the capability is provided responsive to operation of the first and second processors prior to carrying out a financial transaction with the machine; (c) carrying out the financial transaction with the machine wherein operation of one of either the first or second transaction function devices affects operation of the other of the first or second transaction function devices, classified in class 705, subclass 43.

VI. Claims 32-35, drawn to a method comprising the steps of: a) connecting a transaction service component to an automated transaction machine, wherein the automated transaction machine includes a lookup service and a user interface component; b) sending a first message from the transaction service component to the lookup service; c) sending a second message from the lookup service to the transaction service component responsive to the first message; d) registering the transaction service component with the lookup service responsive to the second message, including sending a first copy of a service proxy to the lookup service; e) acquiring with the user interface component a second copy of the service proxy from the lookup service; f) invoking a transaction method of the service proxy with the user interface component; and g) performing a transaction function with the machine through operation of the transaction service component responsive to the transaction method, classified in class 705, subclass 43.

VII. Claims 36-41, drawn to an automated transaction machine comprising: a transaction service including: a processor; a transaction device in operative connection with the processor; and a service proxy software component in operative connection with the processor, wherein the processor is operative to register with at least one other service in the automated transaction

Art Unit: 3624

machine, wherein the processor is operative to cause a copy of a service proxy to be delivered to the at least one other service, and wherein the service proxy in the at least one other service is operative to cause at least one command to the processor, wherein the processor is operative responsive to the command to cause the transaction device perform a transaction function, classified in class 705, subclass 43.

VIII. Claims 42-43, drawn to an automated transaction machine comprising: a processor, wherein the processor is in operative connection with a lookup service and a transaction service through a network and wherein the lookup service includes a service proxy of the transaction service; a data store in operative connection with the processor, an application software component operative in the processor, wherein the application software component is operative to cause the processor to send the lookup service a lookup search message, wherein the application software component is operative to cause the processor to receive a copy of the service proxy from the lookup service responsive to the lookup search message, and wherein the application software component is operative to cause the copy of the service proxy to be stored in the data store, and wherein the application software component is operative to invoke at least one method of the copy of the service proxy, the method being operative to cause the transaction service to cause the machine to perform a transaction function, classified in class 705, subclass 43.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions I and II are related as sub combinations disclosed as usable together in a single combination. The sub combinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I relates to an automated transaction machine

Art Unit: 3624

comprising: a plurality of transaction function devices, wherein each transaction function device includes an associated device computer processor, wherein at least one device computer processor associated with a first transaction function device is operative responsive to being placed in operative connection with at least one other device computer processor associated with a second transaction function device, to cause the first transaction function device to become automatically inter-operative with the second transaction function device, wherein the first transaction function device interacts with the second transaction function device in carrying out a financial transaction with the automated transaction machine, whereas invention II relates to an automated financial transaction machine comprising a plurality of transaction function devices, wherein at least one of the transaction function devices includes a sheet dispenser, and wherein each one of the transaction function devices includes an associated device computer, and wherein at least one of the device computers is programmed so that operative connection of a first transaction function device to the machine automatically causes the first transaction function device to coordinate operation with at least one other transaction function device in carrying out a financial transaction which includes the dispense of at least one sheet from the sheet dispenser. See MPEP § 806.05(d). Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper even though they are both classified in the same class and subclass.

Inventions I and III are related as sub combinations disclosed as usable together in a single combination. The sub combinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I relates to an automated transaction machine comprising: a plurality of transaction function devices, wherein each transaction function device

Art Unit: 3624

includes an associated device computer processor, wherein at least one device computer processor associated with a first transaction function device is operative responsive to being placed in operative connection with at least one other device computer processor associated with a second transaction function device, to cause the first transaction function device to become automatically inter-operative with the second transaction function device, wherein the first transaction function device interacts with the second transaction function device in carrying out a financial transaction with the automated transaction machine, whereas invention III relates to an automated transaction machine comprising a network; a computer processor in operative connection with the network; a user interface software component operative in the computer processor; a lookup service in operative connection with the network; and at least one transaction service in operative connection with the network, wherein the transaction service includes a service proxy software component, wherein the transaction service is operative to send a first copy of the service proxy to the lookup service, and wherein the user interface software component is operative to cause the computer processor to acquire a second copy of the service proxy from the lookup service, wherein the second copy of the service proxy is operative responsive to the user interface software component to cause the transaction service to operate to cause the machine to perform a transaction function. See MPEP § 806.05(d). Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group III, restriction for examination purposes as indicated is proper even though they are both classified in the same class and subclass.

Inventions I and IV are related as sub combinations disclosed as usable together in a single combination. The sub combinations are distinct from each other if they are shown to be



Art Unit: 3624

separately usable. In the instant case, invention I relates to an automated transaction machine comprising: a plurality of transaction function devices, wherein each transaction function device includes an associated device computer processor, wherein at least one device computer processor associated with a first transaction function device is operative responsive to being placed in operative connection with at least one other device computer processor associated with a second transaction function device, to cause the first transaction function device to become automatically inter-operative with the second transaction function device, wherein the first transaction function device interacts with the second transaction function device in carrying out a financial transaction with the automated transaction machine, whereas invention IV relates to a method comprising the steps of: (a) connecting a transaction service in an automated transaction machine, wherein the transaction service includes at least one transaction function device, and wherein the automated transaction machine includes a lookup service and an interface service including at least one input device; (b) registering the transaction service with the lookup service, including storing a copy of a service proxy in association with the lookup service; (c) acquiring for use in association with the interface service, a copy of the service proxy from the lookup service; (d) providing at least one input to the input device; (e) invoking a method of the service proxy through operation of the interface service responsive to the at least one input; and (f) operating the transaction function device of the transaction service responsive to the method invoked. See MPEP § 806.05(d). Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group IV, restriction for examination purposes as indicated is proper even though they are both classified in the same class and subclass.

Art Unit: 3624

Inventions I and V are related as sub combinations disclosed as usable together in a single combination. The sub combinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I relates to an automated transaction machine comprising: a plurality of transaction function devices, wherein each transaction function device includes an associated device computer processor, wherein at least one device computer processor associated with a first transaction function device is operative responsive to being placed in operative connection with at least one other device computer processor associated with a second transaction function device, to cause the first transaction function device to become automatically inter-operative with the second transaction function device, wherein the first transaction function device interacts with the second transaction function device in carrying out a financial transaction with the automated transaction machine, whereas invention V relates to a method comprising the steps of: (a) connecting a first transaction service in an automated transaction machine, wherein the first transaction service includes a first processor and a first transaction function device; (b) responsive to performance of step (a), automatically providing a second transaction service in the machine a capability of affecting operation of the first transaction service, wherein the second transaction service includes a second processor and a second transaction function device, and wherein the capability is provided responsive to operation of the first and second processors prior to carrying out a financial transaction with the machine; (c) carrying out the financial transaction with the machine wherein operation of one of either the first or second transaction function devices affects operation of the other of the first or second transaction function devices. See MPEP § 806.05(d). Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group

Art Unit: 3624

V, restriction for examination purposes as indicated is proper even though they are both classified in the same class and subclass.


Similarly other pairing of inventions stated above are related as sub combinations disclosed as usable together in a single combination. These inventions are distinct from each other as can be evident from the definition of the groups described above. Also they require separate searches and hence restriction of these inventions for examination purposes as indicated is proper.

3. An attempt to reach Mr. Ralph E. Jocke by telephone on September 26, 2003 to request an oral election to the above restriction requirement was unsuccessful.

4. Applicants are advised that reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Narayanswamy Subramanian whose telephone number is (703) 305-4878. The examiner can normally be reached Monday-Thursday from 8:30 AM to 7:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent Millin can be reached at (703) 308-1065. The fax number for Formal or Official faxes and Draft or Informal faxes to Technology Center 3600 or this Art Unit is (703) 305-7687. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-1113.

N. Subramanian  
September 29, 2003



Application/Control Number: 09/505,594

Page 11

Art Unit: 3624

Richard Weisberger

Primary Examiner